INDICE

AUTORES

AFFANNI, J. M.: Ver Galli, Florencia E. y col. 22

AGGIO, M. C., Norma Giusto, María Teresa Bruzzo, M. J. Montano: The participation of spleen and bone marrow in mice erythropoiesis as a function of age 1

AGGIO, M. C., M. J. Montano, María Teresa Bruzzo, Norma Giusto: Possible inefficacy of polycythemia in tolerance to high altitude 123

AJZEN, H.: Ver Saad, F. A. y col. 171

ALANIZ, MARIA J. TACCONI de, D. Haggerty, Graciela Ponz de Posadas, R. R. Brenner: Culture of normal and tumoral cells. Comparative study of different techniques of dissociation in liver 51

ALIPPI, R. M.: Ver Bozzini, C. E. y col. 6

ALIPPI, R. M.: Ver Bozzini, C. E. y col. 200

ALIPPI, R. M.: Ver Bozzini, C. E. y col. 206

ALVAREZ, J., W. Y. Chen: Injection of leucine into a myelinic axon: incorporation in the axoplasm and transfer to associated cells 266

ALVAREZ, J., W. Y. Chen: Local incorporation of choline by a myelinated fibre 270

ALVAREZ-BUYLLA, ELENA R. de: Ver Deleon, Irma y col. 227

ALVAREZ-BUYLLA, R.: Ver Deleon, Irma y col. 227

AMEZUA, L.: Ver Lawzewitsch, Irene von y col. 53

ASHKAR, E., E. L. Regatky, Enriqueta Narciso: Atropine and complete autonomic block action on cardiac adaptation to sinusoidal exercise 52

ASHKAR, E.: Ver Regatky, E. L. y col. 52

BALDI, A., E. H. Charreau: Testosterone metabolism by rodent submaxillary glands in relation with their sexual dimorphism 129

BALDUZZI, R.: Ver Echave Llanos, J. M. y col. .. 52

BARCELO, ANA CRISTINA: Ver Houssay, A. B. y Ana Cristina Barceló 274

BARRIO RENDO, MARIA ESTHER: Ver Scaro, J. L. y col. 258

BASSO, NIDIA: Ver de Nicola, A. F. y col. 233

BAZERQUE, P. M.: Ver Perec, C. J. y col. 241

BERGMAN, FRIDA, Susana Calderari de Lozano, S. L. Rabasa: Alterations of the papilla-urine osmotic equilibrium in different polyurias 191

BINIA, A.: Ver Rabito, Sara y col. 246

BLANCO, A.: Ver Burgos, C. y col. 57

BLAQUIER, J. A. T.: Ver Calandra, R. S. y J. A. T. Blaquier 116

BLUMENKRANTZ, NELLY, J. C. Calamera: Effects of gonadotrophins on the ascorbic acid content of the testis in *Bufo arenarum* Hensel 51

BOISO, JULIA F. de, A. O. M. Stoppani: Phosphate assimilation of *Trypanosoma cruzi*. Partial effect of metabolic inhibitors 54

BOISO, JULIA F. de, A. O. M. Stoppani: The mechanism of glucose aerobic oxidation of *Trypanosoma cruzi* 55

BORDA, LEONOR STERIN de, A. L. Gimeno, Martha F. de Gimeno: Influencia inotrópica de U-0521 (3',4'-dihidroxi-2-metil-propiofenona) sobre la aurícula aislada de rata en relación con la frecuencia de estimulación 121

BOZZINI, C. E., R. M. Alippi, M. A. Martínez: Studies on the erythrogenic action of dexamethasone in polycythemic mice: The effects of anti-erythropoietin antibody and actinomycin D 6

BOZZINI, C. E., M. A. Martínez, R. M. Alippi, R. Chait: Inhibition by previous splenectomy of the erythropoietic response of polycythemic mice to erythropoietin 200

BOZZINI, C. E., A. Rosenkranz, J. A. Kofoed, M. A. Martínez, R. M. Alippi: Red cell volume and body composition of l-triiodothyronine-injected hypophysectomized rats 206

BRENNER, R. R.: Ver Alaniz, María J. Tacconi de y col. 51

BRIGNONE, CLARA M. C. de: Ver Brignone, J. A. y col. 55

BRIGNONE, J. A., Clara M. C. de Brignone, A. O. M. Stoppani: Effect of diethylstilbestrol on phospholipid metabolism in liver mitochondria and microsomes 55

BRUZZO, MARIA TERESA: Ver Aggio, M. C. y col. 1

BRUZZO, MARIA TERESA: Ver Aggio, M. C. y col. 123

BURGOS, C., Nelia Gerez de Burgos, Mercedes Gutiérrez, A. Blanco: Genetic variants of esterases in tissues of *Bufo arenarum* 57

BURGOS, NELIA GEREZ de: Ver Burgos, C. y col. 57

CABRERA, R. R.: Ver Nolly, H. L. y col. 79

CALAMERA, J. C.: Ver Blumenkrantz, Nelly y J. C. Calamera 51

CALANDRA, R. S., J. A. T. Blaquier: Nuclear binding of androgens in rat epididymis 116

CALVO, J., Elba Rosa Morriconi: Acción del Methallibure y de las gonadotrofinas exógenas sobre el testículo de *Jenynsia lineata (Teleostei)* 212

CARNESE, F. R.: Ver Palatnik, M. y F. R. Carnese 53

CINGOLANI, H. E.: Ver Lardani, Margarita Varela de y H. E. Cingolani 28

COLINA, J.: Ver Chacín, J. y col. 11

CONCHA, J.: Ver Norris, Beryl y col. 38

COVIELLO, A.: Hydrosmotic effect of Angiotensin II: isolated toad bladder 218

CHACIN, J., J. Colina, P. Díaz: Papel de la osmolalidad en la regulación del flujo sanguíneo del estómago 11

CHAIT, R.: Ver Bozzini, C. E. y col. 200

CHARREAU, E. H.: Ver Baldi, A. y E. H. Charreau 129

CHEN, W. Y.: Ver Alvarez, J. y W. Y. Chen .. 266

CHEN, W. Y.: Ver Alvarez, J. y W. Y. Chen .. 270

DAHL, VILMA: Ver de Nicola, A. F. y col..... 233

DE LA RIVA, I. J.: Ver de Nicola, A. F. y col. .. 233

DELEON, IRMA, R. Alvarez-Buylla, Elena R. de Alvarez-Buylla: Hormonal vaginal cytology in *Canis familiaris* 227

DE NICOLA, A. F., I. J. de la Riva, Nidia Basso, Vilma Dahl, Susana Kaplan: Effects of ACTH and salt on blood pressure and steroid secretion in rats 233

DENTI, ALICIA: Differences in the acquisition of an avoidance learning in two strains of rats 52

DEVOTO, F. C. H., Beatriz M. Perrotto: Frequency of C- and c-gene (Carabelli's complex) in the contemporary population of the Pastos Chicos Valley (Jujuy, Argentina) 54

DIAZ, P.: Ver Chacín, J. y col. 11

DICKMANN, G. H.: Ver Lawzewitsch, Irene von y col. 53

DONOSO, A. O.: Ver Rodríguez Echandía, E. L. y col. 161

DUBIN, MARTA: Ver Royer, M. y Marta Dubin 54
ECHAVE LLANOS, J. M., R. Balduzzi, J. M. Surur: Liver tissue factors inhibiting liver tissue growth. Role played by the preparation procedure of the extracts ... 52
ECHAVE LLANOS, J. M., I. L. Sadnik: An analysis of the methods used to determine the mitotic index in regenerating liver ... 110
ECHAVE LLANOS, J. M.: Ver Nash, Rosa E. y col ... 53
FASCIOLO, J. C.: Ver Rabito, C. y J. C. Fasciolo 146
FASCIOLO, J. C.: Ver Nolly, H. L. y col. ... 79
FASCIOLO, J. C.: Ver Rabito, Sara y col. ... 246
FERESE, CELIA G.: Ver Iturriza, F. C. y col 140
FERNANDEZ PARDAL, J.: Ver Saavedra, J. M. y J. Fernández Pardal ... 51
FISCHER, E.: Ver Spatz, Nilda y col. ... 54
FOGLIA, V. G.: Ver Renauld, Aurora y V. G. Foglia ... 45
FOGLIA, V. G.: Ver Renauld, Aurora y V. G. Foglia ... 154
GAGLIARDINO, J. J.: Ver Pessacq, M. T. y col. 187
GALLI, FLORENCIA E., O. Irusta, G. F. Wassermann, J. M. Affanni: Biosynthesis of steroid hormones by testes and ovaries of the peludo *Chaetophractus villosus* ... 22
GARCIA RAMOS, J.: On the local responses of the cerebellar cortex ... 64
GARCIA STANZIOLA, M. O.: Ver Ponce Zumino, Amira Z. y col. ... 85
GIMENO, A. L.: Ver Borda, Leonor Sterin de y col. ... 121
GIMENO, A. L.: Ver Vargas, Isabel G. de y col .. 122
GIMENO, MARTHA F. de: Ver Borda, Leonor Sterin de y col. ... 121
GIMENO, MARTHA F. de: Ver Vargas, Isabel G. de y col. ... 122
GIUSTO, NORMA: Ver Aggio, M. C. y col. 1
GIUSTO, NORMA: Ver Aggio, M. C. y col. 123
GONZALEZ, C.: Ver Norris, Beryl y col. ... 38
GUTIERREZ, MERCEDES: Ver Burgos, C. y col. 57
HAGGERTY, D.: Ver Alaniz, María J. Tacconi de y col. ... 51
HAUGER-KLEVENE, JULIA H.: Actinomycin D effect on the adrenergic receptor mediation of renin release ... 119
HOUSSAY, A. B., Ana Cristina Barceló: Effects of testosterone upon the biosynthesis of melatonin by the pineal gland ... 274
HUIDOBRO-TORO, P.: Synthesis and activity of N-n-butyl-n-hexylamine hydrochloride (BHA) 135
IRUSTA, O., G. F. Wassermann: FSH action on the α-aminoisobutyric acid transport in the prepuberal rat testes ... 276
IRUSTA, O.: Ver Galli, Florencia E. y col. ... 22
ITURRIZA, F. C., Celia G. Ferese, Rosa Raña: Valoración reflectométrica de MSH usando melanóforos de *Bufo arenarum in vitro* ... 140
KAPLAN, SUSANA: Ver de Nicola, A. F. y col. 233
KOFOED, J. A.: Ver Bozzini, C. E. y col. 206
LANDEYRO, P.: Ver Paterson R. y col ... 55
LARDANI, MARGARITA VARELA de, H. E. Cingolani: Consideraciones sobre la hiperbolicidad de la relación fuerza-velocidad en músculo cardíaco 28
LAWZEWITSCH, IRENE von, G. H. Dickmann, L. Amezún, C. Pardal: Cytological and ultrastructural studies of the human adenohypophysis 53
LOPEZ, O. J.: Ver Zangheri, E. O. y col. ... 181
LOPEZ, R.: Ver Paterson, R. y col. ... 55
LOZANO, SUSANA CALDERARI de: Ver Bergmann, Frida y col. ... 191
MARTINEZ, M. A.: Ver Bozzini, C. E. y col. 6
MARTINEZ, M. A.: Ver Bozzini, C. E. y col. 200
MARTINEZ, M. A.: Ver Bozzini, C. E. y col. 206
MOLINA, H.: Ver Vidal, I. C. y col. ... 91
MONTAMAT, E. E. J. Moreno: Effect of intervening lactation upon serum lipids in rats 76
MONTANO, M. J.: Ver Aggio, M. C. y col. 1
MONTANO, M. J.: Ver Aggio, M. C. y col. 123
MORENO, E.: Ver Nash, Rosa E. y col. ... 53
MORENO, I.: Ver Montamat, E. E. y I. Moreno 76
MORRICONI ELBA ROSA: Ver Calvo, J. y Elba Rosa Morriconi ... 212
NARCISO, ENRIQUETA: Ver Ashkar, E. y col. 52
NARCISO, ENRIQUETA: Ver Regatky, E. L. y col. ... 52
NASH, ROSA E., F. Moreno, J. M. Echave Llanos: Anatomical and biological differences between two varieties of the same grafted hepatoma ... 53
NOLLY, H. L., R. R. Cabrera, J. C. Fasciolo: On a plasma albumin fraction with renin releasing activity ... 79
NORRIS, BERYL, J. Concha, C. González, J. Sánchez: Relation between the corium glands and the effects of catecholamines and acetylcholine on toad skin potentials ... 38
PALATNIK, M., F. R. Carnese: ABO typing of human skin and hairs ... 53
PARDAL, C.: Ver Lawzewitsch, Irene von y col .. 53
PARISII, I. M.: Ver Ponce Zumino, Amira Z. y col 85
PARISII, I. M.: Ver Zangheri, E. O. y col. 181
PATERSON, R., P. Landeyro, R. López: Elastic properties of the human bone ... 55
PEDROZA, E.: Ver Rodríguez Echandía, E. L. y col. ... 161
PEREC, C. J., Silvia E. Terradas, P. M. Bazerque: Calcium in salivary glands of the rat after duct ligation ... 241
PERROTTO, BEATRIZ M.: Ver Devoto, F. C. H. y Beatriz M. Perrotto ... 54
PESSACQ, M. T., O. R. Rebolledo, J. J. Gagliardino: Day-time dependence of the serum free fatty acids, glucose and immunoreactive insulin levels 187
PONCE ZUMINO, AMIRA Z., T. A. Saldeña, M. Suárez, I. M. Parisii, M. O. García Stanziola, J. R. E. Suárez Estrade: Effects of prenylamine in isolated rabbit heart during hypoxia or ischemia 85
POSADAS, GRACIELA PONZ de: Ver Alaniz, María J. Tacconi de y col. ... 51
PROCEEDINGS: Argentine Society of Biology ... 51
PROCEEDINGS: Sociedad de Biología de Córdoba 121
RABASA, S. L.: Ver Bergmann, Frida y col. 191
RABITO, C., J. C. Fasciolo: Effect of aldosterone on sodium and potassium content of renal tissue 146
RABITO, SARA, A. Binia, J. C. Fasciolo: Constrictor activity of angiotensins I and II on perfused vascular circuits of the dog ... 246
RAMASSO, J. C.: Metabolism and osmotic fragility of human erythrocytes during insulinic hypoglycemia ... 53
RAMOS, O. L.: Ver Saad, F. A. y col. ... 171
RAÑA, ROSA: Ver Iturriza, F. C. y col. ... 140
REBOLLEDO, O. R.: Ver Pessacq, M. T. y col 187
REGATKY, E. L., Enriqueta Narciso, E. Ashkar: Guanethidine and propranolol effects on cardiac adaptation to sinusoidal exercise ... 52
REGATKY, E. L.: Ver Ashkar, E. y col. ... 52
RENAULD, AURORA, V. G. Foglia: Studies on the effect of hyperthyroidism on glucose oxidation in adipose tissue. Interaction with insulin 45
RENAULD, AURORA, V. G. Foglia: Studies on glucose uptake by rat adipose tissue as modified by hypophysectomy and/or insulin addition to the incubating media ... 154
RENAULD, AURORA, Rita C. Sverdlik: Effect of cortisol-thyroxine combined therapy on the insulin response to hyperglycaemia in thyroidectomized dogs ... 251
RIETTI, C. T.: Ver Roldán, Alicia G. y col. 166
RODRIGUEZ ECHANDIA, E. L., A. O. Donoso, E. Pedroza: A further contribution to the study of catecholamine flow in amphibian nerves 161
ROLDAN, ALICIA G., E. J. del Castillo, C. T. Rietti: The effect of hypophysectomy on ketonemia and liver lipids in pancreatectomized dogs ... 166
ROSENKRANZ, A.: Ver Bozzini, C. E. y col. ... 206
ROYER, M., Marta Dubin: The determination of nonconjugated bilirubin in bile ... 54
SAAD, F. A., H. Airen, O. L. Ramos: Juxtaglomerular index (IGI) and extractable renin in uninephrectomized and hydronephrotic rats ... 171
SAAVEDRA, J. M., J. Fernández Pardal: Stimulating effects of beta-phenylethylamine ... 51
SADNIK, I. L.: Ver Echave Llanos, J. M. e I. L. Sadnik ... 110
SALDEÑA, T. A.: Ver Ponce Zumino, Amira Z. y col. ... 85
SANCHEZ, J.: Ver Norris, Beryl y col. ... 38

SCARO, J. L., María Esther Barrio Rendo, A. Raquel Alvarez Prado de Tombolesi: Hematopoietic recovery after a single high dose of cyclophosphamide in the mouse 258
SILVA, J. C.: Ver Zangheri, E. O. y col. 181
SPATZ, H.: Ver Spatz, Nilda y col. 54
SPATZ, NILDA, H., Spatz, E. Fischer: 5-hydroxy-3-methylindole in the urine of epileptics 54
STOPPANI, A. O. M.: Ver Boiso, Julia F. de y A. O. M. Stoppani 54
STOPPANI, A. O. M.: Ver Boiso, Julia F. de y A. O. M. Stoppani 55
STOPPANI, A. O. M.: Ver Brignone, J. A. y col. 55
STOPPANI, A. O. M.: Ver Vidal, J. C. y col. 91
SUAREZ, M.: Ver Ponce Zumino, Amira Z. y col 85
SUAREZ ESTRADE, J. R. E.: Ver Ponce Zumino, Amira Z. y col. 85
SURUR, J. M.: Ver Echave Llanos, J. M. y col 52
SVERDLIK, RITA C.: Ver Renauld, Aurora y Rita C. Sverdlik 251
TERRADAS, SILVIA E.: Ver Perec, J. C. y col. 241
TOMBOLESI, A. RAQUEL ALVAREZ PRADO de: Ver Scaro, J. L. y col. 258
TORRES, RINA S. de: Ver Vargas, Isabel G. de y col. 122
VARGAS, ISABEL G. de, Martha F. de Gimeno, Rina S. de Torres, Juana F. de Vastik, A. L. Gimeno: Sustratos metabólicos y actividad funcional espontánea del miometrio aislado de ratas castradas y en estro 122
VASTIK, Juana F. de: Ver Vargas, Isabel G. de y col. 122
VIDAL, J. C., H. Molina, A. O. M. Stoppani: A general procedure for the isolation and purification of Phospholipase A. isoenzymes from *Bothrops* venoms 91
WASSERMANN, G. F.: Ver Irusta, O. y G. F. Wassermann 276
WASSERMANN, G. F.: Ver Galli, Florencia E. y col. 22
ZANGHERI, E. O., O. I. López, I. M. Parisii, J. C. Silva: Dose response curves to a single dose of erythropoietin in polycythemic mice 181

MATERIAS

Actinomycin D 6
Actinomycin D 119
Adipose tissue 45
Adrenalectomy 146
Adrenergic activity 135
Adrenergic aliphatic amines 135
Adrenocorticotrophic hormone (ACTH) 140
Adrenocorticotrophic hormone (ACTH) and steroid secretion 233
Aerobic oxidation of glucose 55
Afterloaded contraction 28
Aldosterone 146
Alpha receptors 119
Aminoacids 276
Androgen 116
Angiotensin 119
Angiotensin I 246
Angiotensin II 218
Angiotensin II 246
Aptin (H-56/28) modification of the effects of U-0521 on atria 121
Arterial perfusions 246
Atrial contractions 121
Autonomic blocking and circulation 52
Axonal metabolism 266
Axonal metabolism 270
Basal erythropoiesis 181
Beta-phenylethylamine, Stimulating effects 51
Beta receptors 119
Biochemistry 161
Blood flow regulation 11
Blood metabolites levels 187
Blood sugar 251
Blood volume 123
Body composition 206
Bone marrow 1
Bone marrow 200
Bothrops venoms 91
Calcium 218
Calcium 241
Carbon dioxide (CO_2) production 45
Castration 274
Cat 64
Catecholamine (CA) transport 161
Catecholamines and acetylcholine 38
Cell culture techniques 51
Cerebellum 64
Chaetophractus villosus 22
Circadian hormone levels 187
Circadian variations 187
Circulation 11
Collecting duct permeability 191
Conduction 85
Constricted nerves 161
Contractile element velocity 28
Contractility 28
Corium gland potentials 38
Cortisol-Free fatty acids 251
Cyclophosphamide 258
Dendrites 64
Deoxycorticosterone (DOC) and aldosterone secretion 233
Dexamethasone 6
3'?4'-Dihydroxy-2-methylpropiophenone (U-0521) effects on atrial contractions 121
Dogs 251
Duct ligation 241
Effects of U-0521 on atrial contraction at different frequencies 121
Elastic properties of the human bone 55
Endocrine hypertension 233
Epididymal fat pad 45
Epididymal fat pad 154
Epididymis 116
Epileptics, 5-Hydroxy-3-Methylindole in urine of .. 54
Erythropoiesis 6
Erythropoiesis 200
Erythropoiesis 206
Erythropoiesis 258
Erythropoietin 6
Erythropoietin 181
Erythropoietin 200
Erythropoietin-Antisera 6
"Erythropoietin-responsive cell" 181
Esterases 57
Estrus, Influence on the effects of metabolic substrates on the uterus 122
Exogenous gonadotrophins 212
Extractable renin 171
Follicle Stimulating Hormone (FSH) 276
Free fatty acids 166
Frequency of C-and c-genes 54
Furosemide 218
Gastric blood flow 11
Gastric mucosa 11
Genetic variants 57
Glucose metabolism 45
Gonads 22
Granulopoiesis 258
Hematocrit 123
Hematopoietic recovery 258
Hepatoma, Study of two sublines 53
High altitude 123
Hydroxyindole methyltransferase (HIOMT) activity 274
Hyperglycaemia 251
Hyperpolarization and depolarization 38
Hyperthyroidism 45
Hypophysectomized rats 154
Hypophysectomy 166
Hypophysis 206
Hypoxia 181
Hypoxia and ischemia 85
Hypoxia tolerance 123
Insulin 251
Insulin direct effect 154
Intercellular transfer of material 266
Intraaxonal choline 270
Intraaxonal leucine 266
In vitro glucose uptake 154
In vitro insulin action 45
Iron^{59} (Fe^{59}) uptake 181

Isoenzymes 91
Isolated rabbit hearts 85
Isometric contraction 28
Juxtaglomerular index 171
Ketone bodies 166
Kidney slices 79
Lactation and serum lipids 76
Lactation interruption 76
Lean body mass 206
Lipids and lactation 76
Liver growth and inhibiting extracts 52
Liver total lipids 166
Liver triglycerides 166
Local responses 64
Mauthner axon 266
Mauthner axon 270
Melanocyte stimulating hormone 140
Melanophores 140
Melatonin biosynthesis 274
Metabolic substrates on uterine contractions 122
Metabolism and osmotic fragility of erythrocytes .. 53
Methallibure 212
Mitotic counts 110
Myelin turnover 266
Myelin turnover 270
Neonatal mice 1
N-n-butyl-n-hexylamine hydrochloride 135
Nonconjugated bilirubin in bile 54
Nuclear binding 116
Osmolality 11
Osmotic diuresis 191
Ovariectomy, Influence on the effects of metabolic substrates on the uterus 122
Pancreatectomy 166
Pars intermedia 140
Pentolinium 119
Phentolamine 119
Phospholipases A 91
Phospholipids metabolism in liver 55
Pigmentary cells 140
Pineal gland 274
Pituitary, Cytology and ultrastructure 53
Pituitary gland 140
Plasma iron 181
Polycythemia 123
Polycythemia 181
Polycythemic mouse 200
Potassium 146
Prenylamine 85
Propranolol 119
Purification 119
Rats, Learning 52
Receptors 116
Red cell volume 206
Reflectometry 140
Regenerating liver 110
Regitine, Modification of the effect of U-0521 on atria 121
Release 119
Renin 119
Renin in kidney slices: Releasing factor 79
Renin release and serum fraction 79
Renin releasing factor 79
Retrolingual gland 241
Rodent erythropoiesis 1
Salt an adrenal steroids 233
Seasonal and stretching factors 218
Secondary aliphatic amines 135
Sexual dimorphism 129
Skin 140
Skin potentials 38
Skin serology and human hairs 53
Sodium 146
Spleen 1
Spleen 200
Stem cell regeneration 258
Steroidogenesis 22
Stomach 11
Submaxillary gland 241
Submaxillary glands 129
Sympathetic blocking and circulation 52
Synthesis and activity 135
Teleostei 212
Testicular ascorbic acid 51
Testis 212
Testis 276
Testosterone metabolism 129
Testosterone propionate 274
Thyroidectomy 251
Thyroxine 251
Toad bladder 218
Toad skin physiology 38
Toads 161
Transfusion 181
Triiodothyronine 206
Trypanosoma cruzi metabolism 54
Uninephrectomized and hydronephrotic rats 171
Vaginal cytology in dogs 227
Vascular actions 135
Vascular activity 246
Vasoconstriction 246
Ventricular action potentials 85
Water diuresis 191
Water permeability 218